In the claims,

Clean version of the amended claims(s), pursuant to 37 CFR 1.121(c)(1)(i):

Claim 1 has been amended as follows:

B1 Sub C1

1. (Amended) In a digital imaging system, a method for distributed digital image processing, the method comprising:

recording luminosity information at a first device, for representing an image that has been digitally captured at the first device;

without performing color interpolation at the first device, generating compressed luminosity information at the first device by applying a wavelet transform, quantization, and compression to the luminosity information;

transmitting said compressed luminosity information to a second device;

restoring said luminosity information from said compressed luminosity information at the second device; and

converting said luminosity information at the second device into a color image, including performing color interpolation at the second device.

Claim 21 has been amended as follows:

B2 Sub C2 cont

21. (Amended) In a digital imaging system, a method for deferring digital image processing, the method comprising:

recording sensor information from an image sensor at a first device, for representing an image that has been recorded at the image sensor of the first device;

compressing said sensor information prior to color processing, for generating compressed sensor information at the first device;

without having performed color processing at the first device, transmitting said compressed sensor information to a second device; and

B2 cont'd

decompressing said compressed sensor information at the second device, whereupon said sensor information may thereafter be processed into a color image.

Claim 41 has been amended as follows:

B3 Sub B2

41. (Amended) An imaging system providing deferred image processing, the system comprising:

an imager having a sensor for recording luminosity information for a visual image captured by the imager, said luminosity information comprising luminosity values recorded by the sensor;

a compressor module for compressing said luminosity information, for generating compressed luminosity information at the imager without having performed color processing;

a communication link for transmitting said compressed luminosity information to a target device; and

a decompression module for decompressing said compressed luminosity information at the target device, whereupon said sensor information may thereafter be processed into a color image.